



LCR55A

Handheld Component Tester

- The ultimate component checker measures inductance, capacitance, resistance, transistors, diodes and microwave diodes
- Plug-in test slots and test leads with threaded alligator clips
- Oversized, digital display
- Data Hold and Max Hold
- "Zero Adjust" Pot for Ohms
- Low Battery Indication
- Auto-Power Off

No hassle warranty

No waiting.

No shipping charges.



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: €500 MSLP limit)

General Specifications

| | |
|--------------------------|---|
| Display | 3-1/2 digit LCD, max reading of 1999 |
| Display Update Rate | 2.5 /sec, nominal |
| Power | Standard 9 V transistor battery |
| Battery Life | Alkaline 200 hours |
| Operating Temperature | 0 °C to + 50 °C (32 °F to 122 °F), < 70 % R.H. |
| Storage Temperature | -20 °C to +60 °C (-4 °F to 140 °F), < 80 % R.H. battery removed |
| Dimensions (WxLxH) | 183 x 79 x 38 mm (7.2 in x 3.1 in x 1.5 in) |
| Weight (incl. batteries) | 311 g (11 oz.) |
| Warranty | One year |

Included Accessories

TL36A Test Leads, spare fuse, battery, (1) pair alligator clips, and users manual.

Optional Accessories

| | |
|--------|----------------------|
| VC221B | Vinyl Case |
| DL243D | Basic Test Lead Kit |
| DL248D | Deluxe Test Lead Kit |
| TL245A | Test Lead Set |

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Data Sheet

Specifications (23 °C ± 5 °C, < 75 % R.H. non-condensing)

| Function | Range | Accuracy |
|---|---|---------------------------|
| Resistance | 20 Ω | ± 1.2 % rdg (zero adjust) |
| | 200 Ω | ± (0.5 % rdg + 3 dgts) |
| | 2 k Ω to 2 M Ω | ± (0.5 % rdg + 1 dgt) |
| | 20 M Ω | ± (2.0 % rdg + 2 dgts) |
| Resolution | 10 m Ω in 20 Ω range | |
| Open Circuit Voltage | 20 Ω range: 6.5 V dc | |
| | 200 Ω range: 3.0 V dc | |
| | All other ranges: 1.2 V dc | |
| Continuity | | |
| Audible Indication | 2 k Ω range: Tone at R < 30 Ω | |
| Response Time | 800 ms approx. | |
| Diode Test | | |
| Test Current | 1 mA (approximately) | |
| Test Voltage | 3.0 V DC | ± (1.5 % rdg + 1 dgt) |
| Display | Forward junction voltage | |
| Microwave Diode Test | | |
| Test Current | 0.6 mA approximately | |
| Test Voltage | 7.0 V DC typical | ± (3.0 % rdg + 1 dgt) |
| Display | Forward junction voltage | |
| Capacitance | 200 pF to 200 nF | ± (1.0 % rdg + 1 dgt) |
| | 2 μF to 200 μF | ± (2.0 % rdg + 1 dgt) |
| | 200 μF < 1000 μF | ± (3.0 % rdg + 3 dgts) |
| | 1000 μF > 2000 μF | ± (5.0 % rdg + 5 dgts) |
| | <i>Note: In lower ranges, subtract 6 points residual offset reading from result</i> | |
| Test Frequency | 200 pF to 2 μF: 1000 Hz | |
| | 20 μF to 200 μF: 100 Hz | |
| | 2000 μF: 10 Hz | |
| Temperature Coefficient | < 0.5 μF: 0.1%/°C | |
| | > 0.5 μF: 0.2%/°C | |
| Inductance | 200 μH | ± (5.0 % rdg + 30 dgts)* |
| | 2 to 200 mH | ± (3.0 % rdg + 20 dgts)* |
| | 2 mH to 200 H | ± (5.0 % rdg + 20 dgts)* |
| Test Frequency | 200 μH to 2 H ranges: 1000 Hz | |
| | 20 H to 200 H ranges: 100 Hz | |
| Temperature Coefficient | < 0.5 H: 0.2%/°C | |
| | > 0.5 H: 0.5%/°C | |
| Transistor Test | | |
| hFE Range | 0 to 1000 | |
| hFE Base Current | 3 μA approximately | |
| hFE Voltage C - E | 3.0 V DC approximately | |
| I_{ceo} Range, Leakage Current | 10 nA to 20 μA | |
| Overload Protection | | |
| Resistance | 350 V DC or AC RMS | |
| Capacitance | 0.1 A/250 V fast acting fuse | |
| Continuity | 350 V DC or AC RMS | |
| Diode Test | 350 V DC or AC RMS | |
| Micro Wave Diode Test | 350 V DC or AC RMS | |
| Inductance | 0.1 A/250 V fast blow fuse | |

*For values of Q ≤ 7

Amprobe® Test Tools
 website: www.Amprobe.com
 email: info@amprobe.com
 Everett, WA 98203
 Tel: 877-AMPROBE

Beha-Amprobe GmbH
 In den Engematten 14
 79286 Glottertal, Germany
 Tel.: +49 (0) 7684 8009 - 0
info@amprobe.eu

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